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UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
WASHINGTON

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Office of the Chief

December 10, 1934.

CIRCULAR

NEW AIRWAY FORMS

There are now being printed three new Forms for use in the airway weather service, viz., 1130A-Aer., 1135-Aer., and 1141-Aer. These will be distributed to all stations prior to January 1, 1935, and their use begun on that date, if practicable.

Form 1130A-Aer. is designed to enable the airway observations to be placed in symbol form for transmission by teletype. It is to be used at all points where the observations are transmitted by teletype by Department of Commerce personnel, irrespective of whether or not the observations are made by Weather Bureau or Department of Commerce personnel. The data will be entered in pencil and will be in ^{the} exact form in which they will be transmitted by teletype, i. e., in symbols in the proper order. The Form is designed to facilitate this. When the observations are made by Weather Bureau personnel, a carbon copy will be made and retained in the Weather Bureau station for six months, the original being retained in the Commerce files. When both the observation and transmission are made by Department of Commerce or Weather Bureau personnel, only one copy will be made and this will be retained at the station in question for a period of six months. The observations will be entered in chronological order in just the same manner as they are entered on Form 1130-Aer., except that the proper teletype symbols will be used where appropriate.

Forms 1135-Aer. is a Form designed to facilitate the computation of data required in connection with the reduction of mercurial barometer readings to sea level, or to the 5000-foot plane, or both, and other elements such as dew point, vapor pressure, etc. It will be used at all stations having mercurial barometers for the recording of data called for thereon at observations when it is necessary to read the mercurial barometer. Under present conditions this means at the four-hourly periods. The Form has four columns in anticipation of a change to a 6-hourly system at a later date. The use of this Form under the conditions described above is mandatory, as it is desired that a complete record of the computations at these observations be available for use or study if required. The computations made on this Form will invariably be checked by some person other than the one taking the observation, always by Weather Bureau commissioned personnel where these are located and by Weather Bureau observers or Department of Commerce personnel where these only are located. Inasmuch as an aneroid barometer is usually used for obtaining station pressure at intermediate observations and computations are thus reduced to a minimum, Form 1135-Aer. will not be used at those times. Data will be entered in pencil. The Forms will be filed in chronological order at the station where the observations are made. In the event the station is discontinued the Forms will be forwarded to the general supervising station for filing.

Final disposition of the Forms by destruction of them will depend upon recommendations from the general supervising station and approval by the Central Office.

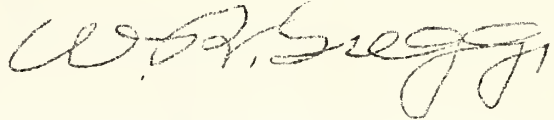
Form 1141-Aer. will be used for the entering of the summaries of diurnal and monthly data now placed at the bottoms of Forms 1136-1140-Aer. and the rendering of these latter Forms to the Central Office will be discontinued. Proper instructions for the preparation and disposition of Forms 1141-Aer. will accompany those Forms when issued.

In connection with the use of Form 1141 for the entry of summaries and rendition to the Central Office, the following instructions regarding the preparation and rendition of Forms 1136-1140 will supplement those contained on the front of those Forms:

1. The entry of data in the bodies of the Forms will be continued at all stations where this is now done.
2. Summaries will not be entered at the bottoms of the Forms, but will be entered on Form 1141-Aer.
3. Only one copy will be made at all stations, unless the general supervising station desires a copy, in which case an original and a carbon copy will be made.
4. Substations will forward this copy to the Weather Bureau first-order or airport station to which they have been directed to do so for use in checking and summarizing the data. This copy will be retained at the checking station.
5. First-order and airport stations will retain the copy made at those stations.
6. Forms 1136-1140 will not be rendered to the Central Office.

All stations required under the foregoing to prepare any or all of the forms listed should make requisition immediately for the number required for use during next calendar year. General supervising stations should make requisition for the number required at their own stations and at all substations, including those manned by the Department of Commerce, under their general supervision. For the information of all concerned, Form 1130A-Aer. contains 50 sheets to the pad and there is space for the entry of 48 observations on one sheet; Form 1135 contains 50 sheets to the pad and there is space for the entry of four observations on one sheet; Form 1141 contains 40 sheets to the pad and each sheet provides space for the entry of the summaries of Forms 1136-1140 for one month. The pads of Forms 1136-1140 will contain the same number of sheets as has been the case in the past.

Copy of this Circular is being forwarded to all first-order and airport stations and sufficient copies are being forwarded to all general supervising stations to permit the furnishing of one to all substations manned by Weather Bureau observers. Copies are being furnished to the Department of Commerce here for distribution to their stations and officials concerned.

A handwritten signature in dark ink, appearing to read 'W. R. Gregg', with a stylized flourish at the end.

W. R. Gregg,
Chief of Bureau.

